

ABSTRACT

This invention pertains to a new method for manufacturing tires, an apparatus used with the new method and the article manufactured by the new method. The article is called the reinforced liquid elastomer tire (RLET). The method of manufacture includes placement of reinforcing materials inside a tire molding cavity and subsequently surrounding the reinforcement with a liquid elastomer which encapsulates the reinforcement and takes the outside shape of the tire mold. The liquid elastomer is solidified and the completed RLET is removed from the mold and ready for service.